

Amiodarone

Indication	Broad-spectrum anti-arrhythmic. Used in AF, VF, VT and paroxysmal SVT.
Dose	Loading Dose 5mg/kg (300mg used for most patients) over 60minutes Maintenance Dose Up to 15mg/kg per day (usually 300-1200mg) See Network Guideline for detailed dosing information
Preparation	Central Administration Amiodarone should be prepared in accordance with the Mid-Trent Critical Care Network Amiodarone Guideline Peripheral Administration 1. Remove 24ml from a 1000ml bag of glucose 5% 2. Draw up 24ml (1200mg) of amiodarone into a syringe using a filter needle 3. Add amiodarone to glucose bag using new needle
Administration	Central Administration Use the Amiodarone program on the Syramed SP6000 syringe pump Peripheral Administration Use the Amiodarone program on the Volumed VP7000 volumetric pump. Loading Dose is set in the program.
Shelf-life	24hours at Room Temperature
Common Compatibility Issues	Amiodarone should be infused via a dedicated lumen
Additional information	The peripheral preparation schedule is not licensed but accepted as safe practice in Derby Amiodarone is irritant to veins and therefore should be administered via a central vein where possible. If not, peripheral administration should be via a large vein, such as antecubital fossa. Amiodarone has many interactions, check BNF Online

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT A. Patient (A. Number)			WARD ICU
	DRUG Amiodarone in 1000ml Glucose 5%	AMOUNT 1200mg (1.2mg/ml)	ADD BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.	
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

For Review: June 2025

Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	ICU Sister's Meeting: June 2023 ICU Risk & Quality Meeting: August 2023 Surgical Division
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Key contact:	Pharmacist – Critical Care & Theatres

References

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- Mid-Trent Critical Care Network Pharmacy Group. Amiodarone. 4th Edition. (May 2015)

***** End of Monograph *****

MID TRENT CRITICAL CARE NETWORK

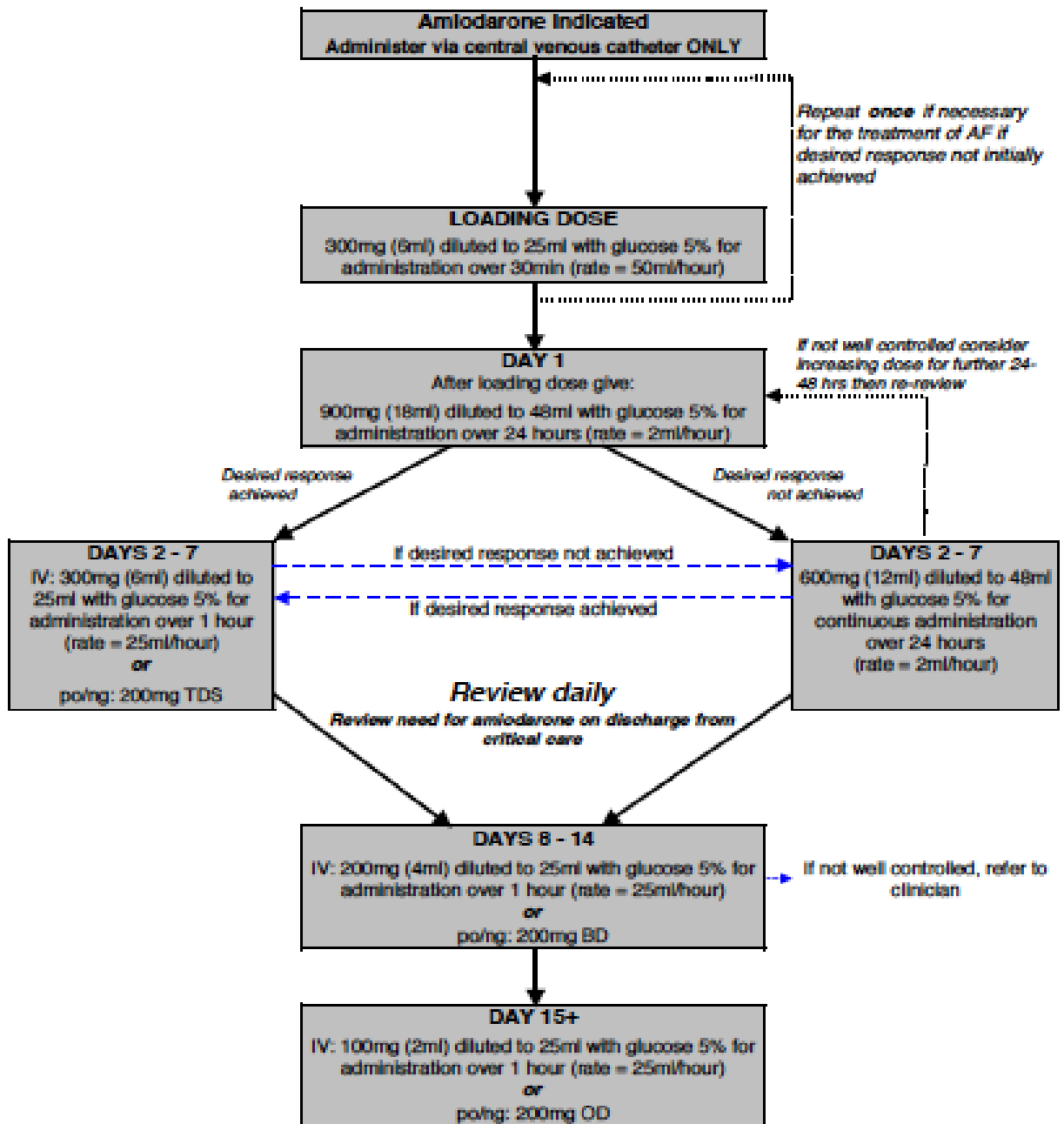
Adult Critical Care

AMIODARONE GUIDELINES

Clinical guidelines are guidelines only. The interpretation and application of clinical guidelines will remain the responsibility of the individual clinician. If in doubt contact a senior colleague or expert. Caution is advised when using guidelines after a review date. This guideline has been registered with the Mid Trent Critical Care Network.

Indications

- Stable patients with regular broad complex tachycardia or irregular narrow complex tachycardia / Atrial Fibrillation.
- Unstable patients with tachyarrhythmias after cardioversion attempted
For administration of Amiodarone in cardiac emergencies refer to the Advanced Life Support guidelines.



Amiodarone Guidelines Additional Information

- Peripheral administration:
 - In situations where a central venous catheter is not present additional dilution is required for peripheral administration. Suitable volumes are 250ml glucose 5% for 300mg doses, and 500ml glucose 5% for 900mg doses.
 - This guideline does not cover Amiodarone administered in a resuscitation situation.
- Ensure that Hypomagnesaemia or Hypokalaemia are corrected as necessary.
- When switching from the intravenous infusion to oral Amiodarone, it is recommended that the first oral dose should be given 16 to 24 hours before stopping the IV infusion.
- Oral bioavailability is approximately 50%, i.e. 100mg IV approx = 200mg PO.
- Tablets may be crushed and dispersed in water for administration via a enteral feeding tube.
- Acute adverse effects include bradycardia and hypotension. Consider the need to discontinue the infusion.
- It is recommended to check liver and thyroid function tests prior to initiating Amiodarone.
- Amiodarone has a number of significant drug interactions. Of particular note are:
 - Phenytoin
 - Warfarin
 - Digoxin.
 - Caution should be used when used alongside medication that can extend the QTc interval.

These guidelines have been produced by the Mid-Trent Critical Care Network Pharmacy Group with the aim of standardising the administration of Amiodarone across the network. Amiodarone should be administered via non-DEHP (di-2-ethylhexylphthalate- a plasticizer) containing equipment or devices due to the possibility of Amiodarone causing the leaching of DEHP out of bags or giving sets. DEHP has been shown in rat studies to be carcinogenic. The use of a syringe pump with a PE coated giving set will reduce DEHP exposure.

References

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